



75W TRV-075 Series

Switch Mode LED Drivers

Constant Voltage

Aluminum Housing

Electrical Specifications

Input Voltage Range:	100 - 277 Nom. Vac (90 - 305 V Min/Max)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	0.85 min @ 100V through 277V, 75-100% load
Input Current:	0.88 A max 100Vac
Maximum Power:	75W
Line Regulation:	± 1%
Load Regulation:	± 2%
Turn-on Delay:	1.2S max @ 120V
Protection:	Over-Voltage, Over-Current, Over-Temperature (110°C), and Short Circuit Protection with Auto Recovery

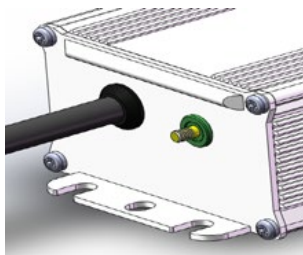
Environmental Specifications

Minimum Starting Temp:	-35°C
Maximum Case Temp:	88°C
Minimum Starting Temp:	-35°C
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 100%
Cooling:	Convection
Sound Rating:	Class A
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
MTBF:	350,000 Hours @ full load and 25°C ambient conditions per MIL-HDBK-217F
Lifetime:	83,000 Hours @ 220V, 80% load, 25°C ambient

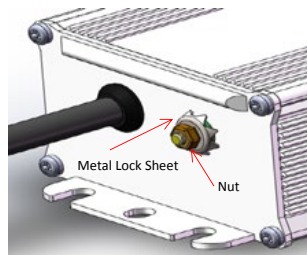


- Total Power: 75 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP67
- Ultra-high Efficiency
- High Power Factor
- UL8750

New Surge Protection and HI-POT Testing



HI-POT Test



Normal Application

The new design of this LED driver provides 1.4KV surge protection. To properly HI-POT test this unit, the surge protection must be disconnected. The screw, nut, and metal lock sheet on the input side of the driver provide for this. To test, first remove the nut and lock sheet on the input side of the driver. After testing, secure the nut and lock sheet to provide line-to-earth protection.

This HI-POT test feature is available on product manufactured after August 15, 2015.

Model Number	Output Current Range (A)	Output Voltage (Vdc)	Max. Output Power (W)	Typical Efficiency
TRV-075S012ST	0-6.25	12	75	90%
TRV-075S024ST	0-3.13	24	75	92%
TRV-075S036ST	0-2.08	36	75	92%
TRV-075S042ST	0-1.79	42	75	92%
TRV-075S048ST	0-1.56	48	75	92%
TRV-075S054ST	0-1.39	54	75	92%

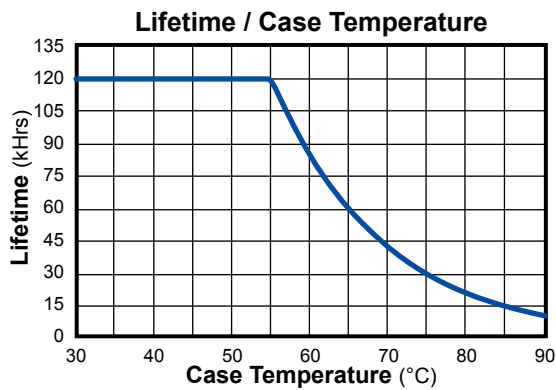
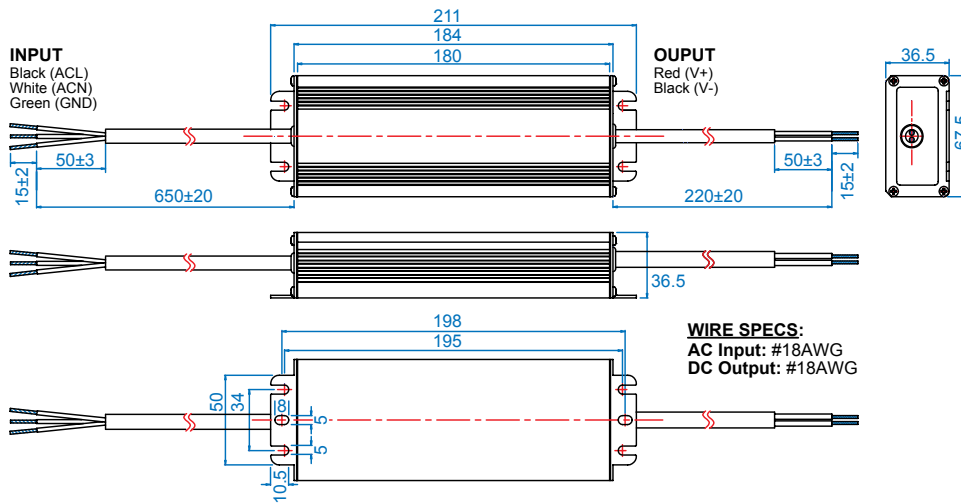


Note:

LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.

Rev 8-27-15



Safety and EMC Compliance

CUL / CE	UL 8750, EN 61347-1, EN61347-2-13
EN 55015	Conducted emission
EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations and flicker
EN 61000-4-2	Electrostatic discharge
EN 61000-4-3	RFE Field Susceptibility test
EN 61000-4-4	Electrical Fast Transient
EN 61000-4-5	Surge Immunity test
EN 61000-4-6	Conducted Radio Frequency
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips
EN 61547	Electromagnetic Immunity